

Title (en)  
PROCESS FOR ENCAPSULATION AND ENCAPSULATED ACTIVE MATERIAL SYSTEM(

Publication  
**EP 0152898 A3 19861230 (EN)**

Application  
**EP 85101490 A 19850212**

Priority  
US 58039484 A 19840215

Abstract (en)  
[origin: EP0152898A2] Capsules are formed having a liquifield core while avoiding capsule core gelatin by adding drops of a solution of either an anionic polymer composition or a cationic polymer composition to a solution of an ionic polymer of opposite charge. The drops contain an active ingredient such as a cell or microorganism capable of producing a biologically active product or can contain a biological or chemical composition. The interface of the ionic polymers form a permeable membrane surrounding the liquid drops.

IPC 1-7  
**A61K 9/50**

IPC 8 full level  
**A61J 3/07** (2006.01); **A61K 9/16** (2006.01); **A61K 9/48** (2006.01); **A61K 9/50** (2006.01); **A61K 35/12** (2015.01); **A61K 35/13** (2015.01); **A61K 35/17** (2015.01); **A61K 35/26** (2015.01); **A61K 35/66** (2015.01); **A61K 35/74** (2015.01); **A61K 38/22** (2006.01)

CPC (source: EP)  
**A61K 9/1652** (2013.01); **A61K 9/5036** (2013.01); **A61K 9/5089** (2013.01)

Citation (search report)  
• [X] GB 2094750 A 19820922 - DAMON CORP  
• [X] GB 2119737 A 19831123 - DAMON CORP  
• [X] EP 0052829 A2 19820602 - MILES LAB [US]  
• [XD] GB 2094833 A 19820922 - DAMON CORP  
• [XP] US 4487758 A  
• [XP] DE 3306259 A1 19840823 - AKAD WISSENSCHAFTEN DDR [DD]

Cited by  
US6979467B1; DE4426396A1; US4808707A; CN103806285A; US5427935A; ES2112150A1; EP1727525A4; EP0447100A1; US4952618A; US6150581A; EP1064912A1; EP1064910A1; EP1064911A1; US4822534A; GB2327074A; US6165503A; GB2327074B; EP0454044A3; US5700459A; EP0356060A3; US4956350A; EP0313008A3; EP1462013A1; EP1064913A1; EP0173751A4; US6534091B1; US6818296B1; EP0779098A1; FR2742355A1; US5928126A; EP0280155A1; US5100673A; WO0101926A1; WO0187475A1; WO0101927A1; WO0101929A3; WO0101928A1; WO0001373A1; WO2005107710A3; US6352837B1; US6566090B2; US6207080B1; US8092836B2; US8168226B2

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0152898 A2 19850828**; **EP 0152898 A3 19861230**; **EP 0152898 B1 19900117**; CA 1254528 A 19890523; DE 3575375 D1 19900222; JP S61189218 A 19860822

DOCDB simple family (application)  
**EP 85101490 A 19850212**; CA 474329 A 19850214; DE 3575375 T 19850212; JP 2752085 A 19850214